

Title (en)

Device for measuring the thermal conductivity of a fluid

Title (de)

Vorrichtung zur Messung der Wärmeleitfähigkeit eines Fluidums

Title (fr)

Appareil pour mesurer la conductivité thermique d'un fluide

Publication

EP 1050756 A3 20011024 (EN)

Application

EP 00108061 A 20000425

Priority

IT MI990996 A 19990507

Abstract (en)

[origin: EP1050756A2] It is disclosed a device for measuring the thermal conductivity of a fluid comprising a first section with at least one duct in which the gas flows and at least one heat-sensitive resistance element placed in that duct, and a second section for the detection of an electric quantity which is dependent on variations in the electrical resistance of the heat-sensitive resistance elements. The device also comprises first means of thermoregulation to maintain the first detection section at a constant temperature (T1) and second means of thermoregulation to maintain the at least part of the second section at a constant temperature (T2) independent of the said first temperature (T1). <IMAGE>

IPC 1-7

G01N 27/18; **G01N 25/18**

IPC 8 full level

G01N 27/18 (2006.01)

CPC (source: EP US)

G01N 27/18 (2013.01 - EP US); **G01N 27/185** (2013.01 - EP US)

Citation (search report)

- [X] GB 1596648 A 19810826 - POTTER BRONSON M
- [X] FR 2456950 A1 19801212 - SEREG SOC
- [X] US 2751777 A 19560626 - MICHEL CHERRIER CLAUDE
- [X] EP 0382414 A2 19900816 - ALCAN INT LTD [CA]
- [A] EP 0529295 A1 19930303 - PERKIN ELMER CORP [US]
- [A] DE 2311103 A1 19740912 - ULRICH HELMUT DIPL-CHEM

Cited by

WO2005119232A3

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EP 1050756 A2 20001108; **EP 1050756 A3 20011024**; **EP 1050756 B1 20090610**; DE 60042355 D1 20090723; IT 1312311 B1 20020415; IT MI990996 A1 20001107; US 6361204 B1 20020326

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